



RAILWAY RECRUITMENT BOARDS

रेलवे भर्ती बोर्ड

2nd Stage CBT for ALP & TECHNICIANS (CEN-01/2018)

Roll No:	
Participants Name:	
Test Center Name:	
Test Date:	23/01/2019
Test Time:	4:30 PM - 7:00 PM
Subject:	Part A and Exam Trade : Mechanic Radio and TV

- Options shown in green color with a tick icon are correct
- Chosen option on top right of the question indicates the option selected by the candidate
- The numbers indicated against the Question ID and Option ID are the numbers to be noted and used for raising objections

Section : Part A

Q.1 एक पतलून खरीदने में ₹2,000 खर्च हुए। खर्च हुए पैसे शशि के पास के कुल पैसे का 2/5वां भाग थे। उसके पास कुल कितने पैसे थे?

- Ans
- ☒ 1. ₹4,250
 - ☒ 2. ₹4,750
 - ☒ 3. ₹5,000
 - ☒ 4. ₹4,000

Question ID : 96234010731
Option 1 ID : 96234042922
Option 2 ID : 96234042923
Option 3 ID : 96234042924
Option 4 ID : 96234042921
Status : Answered
Chosen Option : 3

Q.2 X और Y की उम्र का अनुपात 4 : 7 है। तीन वर्ष पहले, उनकी उम्र का अनुपात 1 : 2 था। उनकी वर्तमान उम्र में कितना अंतर (Y - X) है?

- Ans
- ☒ 1. 9
 - ☒ 2. 3
 - ☒ 3. 6
 - ☒ 4. 7.5

Question ID : 96234010750
Option 1 ID : 96234043000
Option 2 ID : 96234042997
Option 3 ID : 96234042998
Option 4 ID : 96234042999
Status : Answered

Chosen Option : 1

Q.3 Given below are two statements, followed by two conclusions, I and II. You have to consider the statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow(s) from the given statements.

Statement 1: No quadrilaterals are polygons.

Statement 2: All polygons are rhombuses.

Conclusion I: Some rhombuses are quadrilaterals.

Conclusion II: Some rhombuses are polygons.

- Ans**
- ☒ 1. Neither I nor II follows
 - ☒ 2. Only conclusion I follows
 - ☒ 3. Only conclusion II follows
 - ☒ 4. Both I and II follow

Question ID : 96234010760

Option 1 ID : 96234043040

Option 2 ID : 96234043037

Option 3 ID : 96234043038

Option 4 ID : 96234043039

Status : Answered

Chosen Option : 3

Q.4 How many medals did India win in Rio Olympics, 2016?

- Ans**
- ☒ 1. 4
 - ☒ 2. 3
 - ☒ 3. 2
 - ☒ 4. 5

Question ID : 96234010676

Option 1 ID : 96234042701

Option 2 ID : 96234042703

Option 3 ID : 96234042704

Option 4 ID : 96234042702

Status : Answered

Chosen Option : 3

Q.5 What is the distance between the points (4, 3) and (3, -2)?

- Ans**
- ☒ 1. $\sqrt{24}$
 - ☒ 2. 5
 - ☒ 3. 6
 - ☒ 4. $\sqrt{26}$

Question ID : 96234010739

Option 1 ID : 96234042954

Option 2 ID : 96234042955

Option 3 ID : 96234042956

Option 4 ID : 96234042953

Status : Answered

Chosen Option : 4

Q.6

If $5050 \times 0.5x = 25250$, then $2505 \div x^2 = ?$

- Ans ☒ 1. 25.05
☒ 2. 2.505
☒ 3. 250.5
☒ 4. 0.2505

Question ID : 96234010728
 Option 1 ID : 96234042910
 Option 2 ID : 96234042909
 Option 3 ID : 96234042912
 Option 4 ID : 96234042911
 Status : Answered
 Chosen Option : 1

Q.7 किसी पीतल की छड़ (ऊष्मा चालकता 109 J/(m-K)) में अनुप्रस्थ काट का क्षेत्रफल 0.04 m^2 और लंबाई 20 cm है। यदि छड़ के दोनों सिरों पर 200°C के तापमान का अंतर बनाए रखा जाता है, तो छड़ के माध्यम से ऊष्मा प्रवाह की दर क्या होगी?

- Ans ☒ 1. 4.36 kJ/s
☒ 2. 2.32 kJ/s
☒ 3. 5.80 kJ/s
☒ 4. 3.42 kJ/s

Question ID : 96234010715
 Option 1 ID : 96234042859
 Option 2 ID : 96234042857
 Option 3 ID : 96234042860
 Option 4 ID : 96234042858
 Status : Not Answered
 Chosen Option : --

Q.8 Kuchipudi has its roots in which Indian State?

- Ans ☒ 1. Andhra Pradesh
☒ 2. Kerala
☒ 3. Himachal Pradesh
☒ 4. Arunachal Pradesh

Question ID : 96234010685
 Option 1 ID : 96234042738
 Option 2 ID : 96234042739
 Option 3 ID : 96234042740
 Option 4 ID : 96234042737
 Status : Answered
 Chosen Option : 1

Q.9 200 g भार वाले लोहे के टुकड़े पर ऊष्मा 30°C से बढ़ाकर 60°C की जाती है। टुकड़े पर कितनी ऊष्मा स्थानांतरित की गई थी (यदि लोहे की विशिष्ट ऊष्मा $450 \text{ Jkg}^{-1}\text{K}^{-1}$ है)?

- Ans ☒ 1. 27 J
☒ 2. 270 J
☒ 3. 2700 J

✗ 4. 6000 J

Question ID : 96234010714

Option 1 ID : 96234042853

Option 2 ID : 96234042854

Option 3 ID : 96234042855

Option 4 ID : 96234042856

Status : Answered

Chosen Option : 3

Q.1
0 बिंदु (-2, -6) का Y-अक्ष पर प्रतिबिंब क्या होगा?

Ans ✗ 1. (-6, -2)

✗ 2. (-2, 6)

✗ 3. (2, 6)

✓ 4. (2, -6)

Question ID : 96234010738

Option 1 ID : 96234042951

Option 2 ID : 96234042949

Option 3 ID : 96234042950

Option 4 ID : 96234042952

Status : Answered

Chosen Option : 4

Q.1
1 Name the scientist who discovered bacteria.

Ans ✗ 1. Robert Koch

✗ 2. James Chadwick

✓ 3. AV Leeuwenhoek

✗ 4. Eugen Goldstein

Question ID : 96234010678

Option 1 ID : 96234042709

Option 2 ID : 96234042710

Option 3 ID : 96234042712

Option 4 ID : 96234042711

Status : Not Answered

Chosen Option : --

Q.1
2 जब भी शोर का स्तर शोर के मानक जोखिम से अधिक हो जाता है, तो _____ सुरक्षा पहनी जानी चाहिए।

Ans ✗ 1. पैर

✗ 2. सिर

✓ 3. श्रवण

✗ 4. आंख

Question ID : 96234010706

Option 1 ID : 96234042823

Option 2 ID : 96234042824

Option 3 ID : 96234042821

Option 4 ID : 96234042822
Status : Answered
Chosen Option : 3

Q.1 3 महाराष्ट्र के अजंता की गुफाओं की पेंटिंग और मूर्तियां निम्नलिखित में से किसकी कहानियों को दर्शाती हैं?

- Ans
- ☒ 1. इस्लामी
 - ☒ 2. अरबी
 - ☒ 3. मराठा
 - ☒ 4. बौद्ध

Question ID : 96234010680
Option 1 ID : 96234042719
Option 2 ID : 96234042720
Option 3 ID : 96234042717
Option 4 ID : 96234042718
Status : Answered
Chosen Option : 4

Q.1 4 A motorcycle travelled 1000 m at 36 km/hr. Find the time (in seconds) taken by the motorcycle to cover this distance.

- Ans
- ☒ 1. 300
 - ☒ 2. 200
 - ☒ 3. 400
 - ☒ 4. 100

Question ID : 96234010720
Option 1 ID : 96234042879
Option 2 ID : 96234042878
Option 3 ID : 96234042880
Option 4 ID : 96234042877
Status : Answered
Chosen Option : 4

Q.1 5 A can do $\frac{2}{5}$ of a work in 10 days. B can do $\frac{1}{2}$ of the same work in 10 days. They worked together for 5 days and then A left. In how many days will B finish the remaining work?

- Ans
- ☒ 1. 8
 - ☒ 2. 10
 - ☒ 3. 11
 - ☒ 4. 9

Question ID : 96234010749
Option 1 ID : 96234042996
Option 2 ID : 96234042994
Option 3 ID : 96234042993
Option 4 ID : 96234042995
Status : Answered
Chosen Option : 3

Q.1 6 In engineering drawing, the letters LH signifies _____.

- Ans
- ☒ 1. Limit of Height

- ☒ 2. Low Heat
- ☒ 3. Left Hand
- ☒ 4. Level Hide

Question ID : 96234010699
Option 1 ID : 96234042795
Option 2 ID : 96234042793
Option 3 ID : 96234042796
Option 4 ID : 96234042794
Status : Not Answered
Chosen Option : --

Q.1 Two resistors of $2\ \Omega$ and $6\ \Omega$ are connected in series and this combination is connected across a 12 V battery. Find the current in the $6\ \Omega$ resistor.

- Ans ☒ 1. 0.5 A
- ☒ 2. 1.5 A
- ☒ 3. 3.5 A
- ☒ 4. 2.5 A

Question ID : 96234010724
Option 1 ID : 96234042893
Option 2 ID : 96234042894
Option 3 ID : 96234042896
Option 4 ID : 96234042895
Status : Answered
Chosen Option : 2

Q.1 Two planes E and F start flying from the same point. E flies 7 km west, then turns to its left and flies 15 km . Meanwhile F flies 11 km east and turns right and flies 15 km . Where is F with respect to E?

- Ans ☒ 1. F is 18 km west of E
- ☒ 2. F is 4 km east of E
- ☒ 3. F is 4 km west of E
- ☒ 4. F is 18 km east of E

Question ID : 96234010773
Option 1 ID : 96234043089
Option 2 ID : 96234043090
Option 3 ID : 96234043091
Option 4 ID : 96234043092
Status : Answered
Chosen Option : 4

Q.1 लंबाई L और त्रिज्या R वाले किसी बेलनाकार तार का प्रतिरोध R है। उसी सामग्री में बनी उसकी आधी लंबाई वाली और आधी त्रिज्या वाले तार का प्रतिरोध कितना होगा?

- Ans ☒ 1. $2R$
- ☒ 2. $R/2$
- ☒ 3. R
- ☒ 4. $4R$

Question ID : 96234010722
Option 1 ID : 96234042887

Option 2 ID : 96234042885

Option 3 ID : 96234042886

Option 4 ID : 96234042888

Status : Answered

Chosen Option : 1

Q.2 If straight lines are drawn from various points on the contour of an object to meet a plane, the figure obtained on the plane is called the _____ of the object.

- Ans
- ✓ 1. projection
 - ✗ 2. development
 - ✗ 3. animation
 - ✗ 4. dimensioning

Question ID : 96234010696

Option 1 ID : 96234042781

Option 2 ID : 96234042783

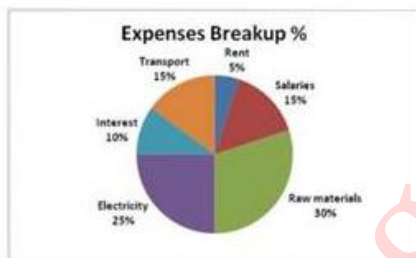
Option 3 ID : 96234042782

Option 4 ID : 96234042784

Status : Answered

Chosen Option : 1

Q.2 The pie chart shows the breakup in percentages of the various expenses of a Company. Study the diagram and answer the following question.



What is the interest expense if total expenses are ₹25,000 approximately?

- Ans
- ✓ 1. ₹2,500
 - ✗ 2. ₹5,000
 - ✗ 3. ₹1,800
 - ✗ 4. ₹9,000

Question ID : 96234010766

Option 1 ID : 96234043061

Option 2 ID : 96234043062

Option 3 ID : 96234043064

Option 4 ID : 96234043063

Status : Answered

Chosen Option : 1

Q.2 एक गोलार्ध का गोलाई वाला क्षेत्रफल कितना होगा जिसकी त्रिज्या 7 सेंटीमीटर है? ($\pi = 22/7$)

Ans

- ✗ 1. 924 वर्ग सेंटीमीटर
✓ 2. 308 वर्ग सेंटीमीटर
✗ 3. 154 वर्ग सेंटीमीटर
✗ 4. 616 वर्ग सेंटीमीटर

Question ID : 96234010733

Option 1 ID : 96234042931

Option 2 ID : 96234042930

Option 3 ID : 96234042932

Option 4 ID : 96234042929

Status : Answered

Chosen Option : 3

Q.2 Two resistors of $10\ \Omega$ and $20\ \Omega$ are connected in series and this combination is connected across a 30 V supply voltage.
3 Find the voltage across the $10\ \Omega$ resistor.

- Ans ✓ 1. 10 V
✗ 2. 15 V
✗ 3. 5 V
✗ 4. 20 V

Question ID : 96234010723

Option 1 ID : 96234042890

Option 2 ID : 96234042892

Option 3 ID : 96234042889

Option 4 ID : 96234042891

Status : Answered

Chosen Option : 1

Q.2 निम्नलिखित में कौन उस सैद्धांतिक निश्चित तल, अक्ष या बिंदु स्थान की व्याख्या करता है, जो जी.डी. (GD) और T या आयामी सह्यता को भी
4 संदर्भित करता है?

- Ans ✗ 1. फ्लैज
✓ 2. तथ्य (डैटम)
✗ 3. फ्रेम
✗ 4. अनुभाग (सेक्शन)

Question ID : 96234010695

Option 1 ID : 96234042779

Option 2 ID : 96234042777

Option 3 ID : 96234042780

Option 4 ID : 96234042778

Status : Not Answered

Chosen Option : --

Q.2 An object starts from rest at $x = 0\text{ m}$ and moves with a constant acceleration of 1.6 m/s^2 along the x-axis. During its journey
5 from $x = 12.8\text{ m}$ to $x = 20.0\text{ m}$, its average velocity will be _____.

- Ans ✗ 1. 8.8 m/s
✗ 2. 2.4 m/s
✓ 3. 7.2 m/s
✗ 4. 3.6 m/s

Question ID : 96234010713
Option 1 ID : 96234042852
Option 2 ID : 96234042849
Option 3 ID : 96234042851
Option 4 ID : 96234042850
Status : Not Answered
Chosen Option : --

Q.2 What is the least number which when doubled is perfectly divisible by 7, 12 and 15?

- 6
Ans ☒ 1. 220
☒ 2. 214
☒ 3. 210
☒ 4. 215

Question ID : 96234010732
Option 1 ID : 96234042926
Option 2 ID : 96234042928
Option 3 ID : 96234042925
Option 4 ID : 96234042927
Status : Answered
Chosen Option : 3

Q.2 An object weighs X units on the earth. If we take the same object to the moon, its weight there will be ____.

- 7
Ans ☒ 1. less than X
☒ 2. zero
☒ 3. equal to X
☒ 4. more than X

Question ID : 96234010694
Option 1 ID : 96234042774
Option 2 ID : 96234042776
Option 3 ID : 96234042775
Option 4 ID : 96234042773
Status : Answered
Chosen Option : 1

Q.2 A got ₹80 as his share of profit where the total profit was ₹240 and the ratio of profit distribution between A and B was x :
8 2. What is the value of x?

- Ans ☒ 1. 4
☒ 2. 5
☒ 3. 2
☒ 4. 1

Question ID : 96234010744
Option 1 ID : 96234042975
Option 2 ID : 96234042976
Option 3 ID : 96234042974
Option 4 ID : 96234042973
Status : Answered
Chosen Option : 4

Q.2
9 Unscramble the letters in the words given below and find the odd word out.

- Ans
- ☒ 1. ILNO
 - ☒ 2. WCO
 - ☒ 3. FLOW
 - ☒ 4. ERTIG

Question ID : 96234010762
Option 1 ID : 96234043045
Option 2 ID : 96234043047
Option 3 ID : 96234043048
Option 4 ID : 96234043046
Status : Answered
Chosen Option : 2

Q.3
0 Pipes A and B can fill a tank in 12 minutes and 16 minutes respectively. Both A and B are opened for 4 minutes and then A is closed. How much extra time will B take to fill the tank completely?

- Ans
- ☒ 1. $\frac{21}{4}$ minutes
 - ☒ 2. $\frac{20}{3}$ minutes
 - ☒ 3. 7 minutes
 - ☒ 4. 6 minutes

Question ID : 96234010742
Option 1 ID : 96234042968
Option 2 ID : 96234042966
Option 3 ID : 96234042965
Option 4 ID : 96234042967
Status : Answered
Chosen Option : 2

Q.3
1 The volume of a given amount of water _____ between 0° C to 4° C.

- Ans
- ☒ 1. decreases
 - ☒ 2. remains constant
 - ☒ 3. increases
 - ☒ 4. is zero

Question ID : 96234010691
Option 1 ID : 96234042761
Option 2 ID : 96234042762
Option 3 ID : 96234042764
Option 4 ID : 96234042763
Status : Answered
Chosen Option : 3

Q.3
2 If the width of a standard engineering drawing sheet is 841 mm, then its length would be _____ mm.

- Ans
- ☒ 1. 1216
 - ☒ 2. 1250

- ✓

3. 1189
- ✗

4. 1000

Question ID : 96234010698

Option 1 ID : 96234042790

Option 2 ID : 96234042791

Option 3 ID : 96234042792

Option 4 ID : 96234042789

Status : Answered

Chosen Option : 2

Q.3 Choose the figure that is different from the rest.

Ans

- ✗

1.
- ✗

2.
- ✓

3.
- ✗

4.

Question ID : 96234010771

Option 1 ID : 96234043081

Option 2 ID : 96234043084

Option 3 ID : 96234043082

Option 4 ID : 96234043083

Status : Answered

Chosen Option : 3

Q.3 If C \$ D means C is daughter of D, C & D means C is mother of D and C % D means C is son of D, then what does W \$ X & Y % Z mean?

Ans

- ✗

1. Z is mother of W
- ✓

2. Z is father of W
- ✗

3. Z is daughter of W
- ✗

4. Z is wife of W

Question ID : 96234010758

Option 1 ID : 96234043031

Option 2 ID : 96234043030

Option 3 ID : 96234043032

Option 4 ID : 96234043029

Status : Answered

Chosen Option : 2

Q.3 Two resistors of $2\ \Omega$ and $6\ \Omega$ are connected in series and this combination is connected across a 12 V battery. Find the power supplied by the battery.

- Ans
- ☒ 1. 18 W
 - ☐ 2. 16 W
 - ☐ 3. 14 W
 - ☐ 4. 10 W

Question ID : 96234010725

Option 1 ID : 96234042900

Option 2 ID : 96234042899

Option 3 ID : 96234042898

Option 4 ID : 96234042897

Status : Answered

Chosen Option : 1

Q.3 I, J, K and L are sitting in a row. L and I are sitting next to each other and I and K are at the ends. Who is sitting next to J?

- Ans
- ☐ 1. L and I
 - ☒ 2. K and L
 - ☐ 3. Only K
 - ☐ 4. Only L

Question ID : 96234010769

Option 1 ID : 96234043073

Option 2 ID : 96234043075

Option 3 ID : 96234043076

Option 4 ID : 96234043074

Status : Not Answered

Chosen Option : --

Q.3 Which of the following options does not have an SI base unit?

- Ans
- ☐ 1. Luminous intensity
 - ☐ 2. Electric current
 - ☒ 3. Frequency
 - ☐ 4. Amount of substance

Question ID : 96234010686

Option 1 ID : 96234042742

Option 2 ID : 96234042743

Option 3 ID : 96234042744

Option 4 ID : 96234042741

Status : Answered

Chosen Option : 3

Q.3 An article was sold for ₹12,000. Had a discount of 15% been offered, a profit of 2% would have been made. What was the cost price?

- Ans
- ☐ 1. ₹11,000
 - ☒ 2. ₹10,000

☒ 3. ₹10,800

☒ 4. ₹10,200

Question ID : 96234010729

Option 1 ID : 96234042913

Option 2 ID : 96234042914

Option 3 ID : 96234042915

Option 4 ID : 96234042916

Status : Answered

Chosen Option : 2

Q.3
9 RK Narayan is famous for his book _____.

Ans ☒ 1. Two Lives

☒ 2. Malgudi Days

☒ 3. The Toom on the Roof

☒ 4. A Suitable Boy

Question ID : 96234010682

Option 1 ID : 96234042726

Option 2 ID : 96234042727

Option 3 ID : 96234042725

Option 4 ID : 96234042728

Status : Answered

Chosen Option : 2

Q.4
0 A machine was bought for ₹1,500 and a repairing charge of ₹100 was paid afterwards. At what price should it be sold to gain a profit of 25%?

Ans ☒ 1. ₹1,920

☒ 2. ₹2,040

☒ 3. ₹2,000

☒ 4. ₹1,960

Question ID : 96234010730

Option 1 ID : 96234042917

Option 2 ID : 96234042920

Option 3 ID : 96234042919

Option 4 ID : 96234042918

Status : Answered

Chosen Option : 3

Q.4
1 Molar specific heat capacity of a substance is _____.

Ans ☒ 1. $\mu \left(\frac{\Delta T}{\Delta Q} \right)$

☒ 2. $\mu \left(\frac{\Delta Q}{\Delta T} \right)$

☒ 3. $\left(\frac{1}{\mu} \right) \left(\frac{\Delta T}{\Delta Q} \right)$

✓ 4. $\left(\frac{1}{\mu}\right)\left(\frac{\Delta Q}{\Delta T}\right)$

Question ID : 96234010703

Option 1 ID : 96234042812

Option 2 ID : 96234042809

Option 3 ID : 96234042810

Option 4 ID : 96234042811

Status : Answered

Chosen Option : 2

Q.4 Velocity ratio of simple machine is the ratio of distance travelled by the _____ to the distance travelled by the _____ in the machine.

- Ans
- ✗ 1. load; load
 - ✗ 2. load; effort
 - ✓ 3. effort; load
 - ✗ 4. effort; effort

Question ID : 96234010709

Option 1 ID : 96234042836

Option 2 ID : 96234042834

Option 3 ID : 96234042833

Option 4 ID : 96234042835

Status : Not Answered

Chosen Option : --

Q.4 एक संख्या 50 से उतनी ही अधिक है जितनी 84 से कम है। वह संख्या क्या है?

- Ans
- ✗ 1. 66
 - ✗ 2. 65
 - ✗ 3. 68
 - ✓ 4. 67

Question ID : 96234010736

Option 1 ID : 96234042942

Option 2 ID : 96234042941

Option 3 ID : 96234042944

Option 4 ID : 96234042943

Status : Answered

Chosen Option : 1

Q.4 A series is given, with one number missing. Choose the correct alternative from the given ones that will complete the series.

4 1.14, 1.28, 1.42, ?, 1.70, 1.84

- Ans
- ✗ 1. 1.62
 - ✓ 2. 1.56
 - ✗ 3. 1.54
 - ✗ 4. 1.68

Question ID : 96234010754

Option 1 ID : 96234043013

Option 2 ID : 96234043014

Option 3 ID : 96234043015
Option 4 ID : 96234043016
Status : Answered
Chosen Option : 2

Q.4 वह विकल्प चुनिए जो तीसरे पद से उसी प्रकार संबंधित हो जिस प्रकार दूसरा पद पहले पद से है।
5

लंबा: छोटा :: खुश : ?

- Ans
- ✓ 1. दुखी
 - ✗ 2. मुस्कराहट
 - ✗ 3. प्रसन्न
 - ✗ 4. भावना

Question ID : 96234010751
Option 1 ID : 96234043001
Option 2 ID : 96234043003
Option 3 ID : 96234043002
Option 4 ID : 96234043004
Status : Answered
Chosen Option : 1

Q.4 A sum of ₹10,000 amounts to ₹11,449 in 2 years, when the interest is compounded annually. The interest rate percent per annum is:
6

- Ans
- ✗ 1. 6%
 - ✓ 2. 7%
 - ✗ 3. 1%
 - ✗ 4. 8%

Question ID : 96234010735
Option 1 ID : 96234042937
Option 2 ID : 96234042940
Option 3 ID : 96234042939
Option 4 ID : 96234042938
Status : Not Answered
Chosen Option : --

Q.4 Which two signs should be interchanged to make the given equation correct?
7

$$9 \div 3 + 8 \times 2 - 15 = 2$$

- Ans
- ✗ 1. $\times$ and $-$
 - ✗ 2. $+$ and $\times$
 - ✗ 3. $\div$ and $-$
 - ✓ 4. $+$ and $-$

Question ID : 96234010757
Option 1 ID : 96234043028
Option 2 ID : 96234043025
Option 3 ID : 96234043027
Option 4 ID : 96234043026
Status : Answered

Chosen Option : 4

Q.4
8 The effort in a class 1 lever is in _____ direction(s).

- Ans
- ☒ 1. three
 - ☒ 2. multiple
 - ☒ 3. one
 - ☒ 4. two

Question ID : 96234010712
Option 1 ID : 96234042847
Option 2 ID : 96234042845
Option 3 ID : 96234042848
Option 4 ID : 96234042846
Status : Answered
Chosen Option : 3

Q.4
9 In a code language, 295 means 'water is liquid', 549 means 'oil is liquid' and 824 means 'oil on water'. Find the code for 'on'.

- Ans
- ☒ 1. 5
 - ☒ 2. 4
 - ☒ 3. 8
 - ☒ 4. 2

Question ID : 96234010755
Option 1 ID : 96234043019
Option 2 ID : 96234043017
Option 3 ID : 96234043020
Option 4 ID : 96234043018
Status : Answered
Chosen Option : 3

Q.5
0 What is the unit's digit in $3^{66} \times 6^{41} \times 7^{53}$

- Ans
- ☒ 1. 6
 - ☒ 2. 8
 - ☒ 3. 7
 - ☒ 4. 3

Question ID : 96234010727
Option 1 ID : 96234042907
Option 2 ID : 96234042905
Option 3 ID : 96234042906
Option 4 ID : 96234042908
Status : Answered
Chosen Option : 3

Q.5
1 Tap M and N can together fill a cistern in $48/13$ minutes. N alone can fill it in 6 minutes. How much time will M alone take to fill the cistern?

- Ans
- ☒ 1. 9.6 minutes
 - ☒ 2. 9 minutes

✗ 3. 9.4 minutes

✗ 4. 8.6 minutes

Question ID : 96234010743

Option 1 ID : 96234042969

Option 2 ID : 96234042971

Option 3 ID : 96234042970

Option 4 ID : 96234042972

Status : Not Answered

Chosen Option : --

Q.5 What is 80% of 50% of 90?

2

Ans ✓ 1. 36

✗ 2. 30

✗ 3. 34

✗ 4. 32

Question ID : 96234010745

Option 1 ID : 96234042980

Option 2 ID : 96234042977

Option 3 ID : 96234042979

Option 4 ID : 96234042978

Status : Answered

Chosen Option : 1

Q.5 Who was the first governor of the Reserve Bank of India?

3

Ans ✗ 1. KR Puri

✗ 2. Sir James Braid Taylor

✓ 3. Sir Osborne A Smith

✗ 4. HVR Iyengar

Question ID : 96234010684

Option 1 ID : 96234042733

Option 2 ID : 96234042735

Option 3 ID : 96234042734

Option 4 ID : 96234042736

Status : Answered

Chosen Option : 3

Q.5 नीचे एक प्रश्न के साथ दो तर्क, I और II, दिए गए हैं। तय कीजिए कि दिए गए तर्कों में से कौन प्रश्न के संबंध में एक मजबूत तर्क है, यदि हो।

4

प्रश्न: क्या टेलीविजन पर विज्ञापन प्रतिबंधित कर दिए जाने चाहिए?

तर्क I : हां, विज्ञापन अनैतिक होते हैं।

तर्क II : नहीं, विज्ञापन से होने वाली आमदनी दर्शकों की लागत कम करने में सहायता करती है।

Ans ✗ 1. तर्क I और तर्क II दोनों मजबूत हैं।

✓ 2. केवल तर्क II मजबूत है।

✗ 3. न तर्क I मजबूत है न तर्क II।

✗ 4. केवल तर्क । मजबूत है।

Question ID : 96234010775

Option 1 ID : 96234043099

Option 2 ID : 96234043098

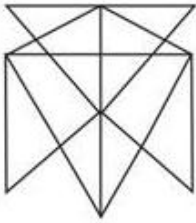
Option 3 ID : 96234043100

Option 4 ID : 96234043097

Status : Not Answered

Chosen Option : --

Q.5
5 What is the minimum number of lines required to make the given image?



Ans ✗ 1. 12
✗ 2. 9
✓ 3. 11
✗ 4. 10

Question ID : 96234010768

Option 1 ID : 96234043072

Option 2 ID : 96234043069

Option 3 ID : 96234043071

Option 4 ID : 96234043070

Status : Not Answered

Chosen Option : --

Q.5
6 गिरती हुई वस्तुओं से अपने _____ की सुरक्षा के लिए निर्दिष्ट क्षेत्रों में सेफ्टी बूट या जूते पहनने चाहिए।

Ans ✗ 1. सिर
✓ 2. पैर के पंजे
✗ 3. आंख
✗ 4. कान

Question ID : 96234010705

Option 1 ID : 96234042820

Option 2 ID : 96234042819

Option 3 ID : 96234042818

Option 4 ID : 96234042817

Status : Answered

Chosen Option : 2

Q.5
7 A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.
OOOOOX, OOOOXX, OOOXXX, OXXXXX, ?

Ans ✓ 1. OXXXXX

- ☒ 2. O O X X X X X X
- ☒ 3. O O X X X X X
- ☒ 4. X X X X X X X

Question ID : 96234010753
Option 1 ID : 96234043009
Option 2 ID : 96234043010
Option 3 ID : 96234043012
Option 4 ID : 96234043011
Status : Answered
Chosen Option : 1

Q.5 Two resistors, one of 12 Ω and the other of 24 Ω are connected in parallel. This combination is connected in series with a 22 Ω resistor and a 12 V battery. The current in the 12 Ω resistor is _____.

- Ans
- ☒ 1. (2/15) A
 - ☒ 2. (4/15) A
 - ☒ 3. (8/15) A
 - ☒ 4. (6/15) A

Question ID : 96234010716
Option 1 ID : 96234042861
Option 2 ID : 96234042862
Option 3 ID : 96234042864
Option 4 ID : 96234042863
Status : Not Answered
Chosen Option : --

Q.5 An airplane flies at the speed of 50 m/s. How much distance (in km) will it cover in a flight of 5 hours?

- Ans
- ☒ 1. 895
 - ☒ 2. 900
 - ☒ 3. 850
 - ☒ 4. 880

Question ID : 96234010734
Option 1 ID : 96234042935
Option 2 ID : 96234042936
Option 3 ID : 96234042933
Option 4 ID : 96234042934
Status : Answered
Chosen Option : 2

Q.6 A car covers 400 m in 20 seconds. Find the average speed (in km/hr) of the car.

- Ans
- ☒ 1. 108
 - ☒ 2. 72
 - ☒ 3. 36
 - ☒ 4. 124

Question ID : 96234010719
Option 1 ID : 96234042875

Option 2 ID : 96234042874
Option 3 ID : 96234042873
Option 4 ID : 96234042876
Status : Answered
Chosen Option : 2

Q.6
1 The abbreviation AC in an engineering drawing stands for _____.

- Ans ☒ 1. Across Corners
☒ 2. Attached Circle
☒ 3. Air Conditioning
☒ 4. Aerial Cut

Question ID : 96234010697
Option 1 ID : 96234042785
Option 2 ID : 96234042788
Option 3 ID : 96234042786
Option 4 ID : 96234042787
Status : Answered
Chosen Option : 1

Q.6
2 A software program that has been developed to harm other computers is called a/an _____.

- Ans ☒ 1. malware
☒ 2. operating system
☒ 3. LAN
☒ 4. server

Question ID : 96234010707
Option 1 ID : 96234042825
Option 2 ID : 96234042826
Option 3 ID : 96234042828
Option 4 ID : 96234042827
Status : Answered
Chosen Option : 1

Q.6
3 Find the odd group of letters from the given alternatives.

- Ans ☒ 1. VWX
☒ 2. PQR
☒ 3. HJL
☒ 4. EFG

Question ID : 96234010767
Option 1 ID : 96234043067
Option 2 ID : 96234043065
Option 3 ID : 96234043066
Option 4 ID : 96234043068
Status : Answered
Chosen Option : 3

Q.6 The effort applied to move a load is 15 units and the machine advantage is observed to be 3. Find the load.

4

- Ans
- ☒ 1. 3 units
 - ☒ 2. 5 units
 - ☒ 3. 45 units
 - ☒ 4. 15 units

Question ID : 96234010711
Option 1 ID : 96234042844
Option 2 ID : 96234042842
Option 3 ID : 96234042841
Option 4 ID : 96234042843
Status : Answered
Chosen Option : 3

Q.6
5 Where is the Headquarters of UNESCO located?

- Ans
- ☒ 1. New York City
 - ☒ 2. Washington DC
 - ☒ 3. Geneva
 - ☒ 4. Paris

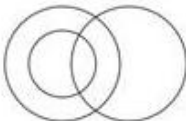
Question ID : 96234010683
Option 1 ID : 96234042730
Option 2 ID : 96234042731
Option 3 ID : 96234042729
Option 4 ID : 96234042732
Status : Answered
Chosen Option : 4

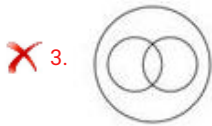
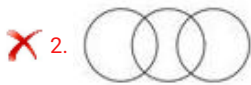
Q.6
6 A 4-digit number $1xy7$ is divisible by 11. What is the value of $x-y$?

- Ans
- ☒ 1. - 4
 - ☒ 2. - 6
 - ☒ 3. - 8
 - ☒ 4. - 2

Question ID : 96234010726
Option 1 ID : 96234042902
Option 2 ID : 96234042901
Option 3 ID : 96234042904
Option 4 ID : 96234042903
Status : Answered
Chosen Option : 3

Q.6
7 Which of the following Venn diagrams best represents the relationship between Indians, doctors and women?

- Ans
- ☒ 1. 



Question ID : 96234010764

Option 1 ID : 96234043056

Option 2 ID : 96234043053

Option 3 ID : 96234043054

Option 4 ID : 96234043055

Status : Answered

Chosen Option : 3

Q.6
8 If a body is NOT homogeneous, then its density is a function of its _____.

- Ans
- ✗ 1. velocity
 - ✗ 2. acceleration
 - ✓ 3. position
 - ✗ 4. pressure

Question ID : 96234010692

Option 1 ID : 96234042766

Option 2 ID : 96234042767

Option 3 ID : 96234042765

Option 4 ID : 96234042768

Status : Not Answered

Chosen Option : --

Q.6
9 Identify the material having low coefficient of volume expansion

- Ans
- ✗ 1. Mercury
 - ✗ 2. Brass
 - ✓ 3. Iron
 - ✗ 4. Aluminium

Question ID : 96234010701

Option 1 ID : 96234042801

Option 2 ID : 96234042802

Option 3 ID : 96234042803

Option 4 ID : 96234042804

Status : Answered

Chosen Option : 2

Q.7
0 A and B can do a work in 15 days, B and C can do the work in 20 days and A and C can do the work in 10 days. In how many days will they together complete the work?

- Ans
- ☒ 1. 10.91 days
 - ☒ 2. 10.67 days
 - ☒ 3. 9.23 days
 - ☒ 4. 10.71 days

Question ID : 96234010748
Option 1 ID : 96234042992
Option 2 ID : 96234042989
Option 3 ID : 96234042991
Option 4 ID : 96234042990
Status : Not Answered
Chosen Option : --

Q.7
1 What is the median of 8, 5, 7, 9, 11, 6, 10 ?

- Ans
- ☒ 1. 9
 - ☒ 2. 8
 - ☒ 3. 7
 - ☒ 4. 10

Question ID : 96234010746
Option 1 ID : 96234042983
Option 2 ID : 96234042982
Option 3 ID : 96234042981
Option 4 ID : 96234042984
Status : Answered
Chosen Option : 2

Q.7
2 A cylindrical wire of length L and radius r has a resistance of R . The resistance of another wire of the same material but thrice its length and one-third its radius will be _____.

- Ans
- ☒ 1. R
 - ☒ 2. $3R$
 - ☒ 3. $27R$
 - ☒ 4. $9R$

Question ID : 96234010717
Option 1 ID : 96234042868
Option 2 ID : 96234042867
Option 3 ID : 96234042865
Option 4 ID : 96234042866
Status : Answered
Chosen Option : 3

Q.7
3 Which Indian cricketer received the Padma Bhushan in 2018?

- Ans
- ☒ 1. MS Dhoni
 - ☒ 2. Sachin Tendulkar
 - ☒ 3. Saurav Ganguly
 - ☒ 4. Virat Kohli

Question ID : 96234010681

Option 1 ID : 96234042722

Option 2 ID : 96234042723

Option 3 ID : 96234042724

Option 4 ID : 96234042721

Status : Answered

Chosen Option : 4

Q.7
4 Which one of these is a harvest festival?

Ans ☒ 1. Deepawali

☒ 2. Onam

☒ 3. Teej

☒ 4. Janmashtami

Question ID : 96234010677

Option 1 ID : 96234042707

Option 2 ID : 96234042706

Option 3 ID : 96234042708

Option 4 ID : 96234042705

Status : Answered

Chosen Option : 2

Q.7 Select the option that is related to the third number in the same way as the second number is related to the first number.

5
-9/11 : 11/9 :: 13/2 : ?

Ans ☒ 1. -7/3

☒ 2. -2/13

☒ 3. 3/7

☒ 4. 2/13

Question ID : 96234010752

Option 1 ID : 96234043007

Option 2 ID : 96234043008

Option 3 ID : 96234043006

Option 4 ID : 96234043005

Status : Answered

Chosen Option : 2

Q.7 In an examination, the highest score and the lowest score differed by 55 and the higher one was 9/4 times the lower one.

6 What is the lowest score?

Ans ☒ 1. 44

☒ 2. 36

☒ 3. 48

☒ 4. 40

Question ID : 96234010737

Option 1 ID : 96234042947

Option 2 ID : 96234042945

Option 3 ID : 96234042948

Option 4 ID : 96234042946

Status : Answered

Chosen Option : 1

Q.7
7 If $\sin \Theta = 15/17$, then $\cot \Theta = ?$

Ans

- ✓ 1. $\frac{8}{15}$
✗ 2. $\frac{15}{8}$
✗ 3. $\frac{8}{17}$
✗ 4. $\frac{17}{15}$

Question ID : 96234010741

Option 1 ID : 96234042962

Option 2 ID : 96234042961

Option 3 ID : 96234042963

Option 4 ID : 96234042964

Status : Answered

Chosen Option : 1

Q.7
8 In angular measurements, one radian is equivalent to _____ degrees (approximately).

Ans

- ✗ 1. 180
✗ 2. 90
✗ 3. 65.27
✓ 4. 57.27

Question ID : 96234010687

Option 1 ID : 96234042745

Option 2 ID : 96234042746

Option 3 ID : 96234042748

Option 4 ID : 96234042747

Status : Answered

Chosen Option : 4

Q.7
9 $\sec 45^\circ - \tan 60^\circ = ?$

Ans

- ✓ 1. $-\sqrt{3} + \sqrt{2}$
✗ 2. $\frac{\sqrt{3}}{2}$
✗ 3. $-\sqrt{3} - \sqrt{2}$
✗ 4. $\sqrt{3} + \sqrt{2}$

Question ID : 96234010740

Option 1 ID : 96234042958

Option 2 ID : 96234042959

Option 3 ID : 96234042960

Option 4 ID : 96234042957

Status : Answered

Chosen Option : 1

Q.8 Substances that are broken down by biological processes are said to be _____.
0

- Ans
- ☒ 1. non-reusable
 - ☒ 2. non-biodegradable
 - ☒ 3. biodegradable
 - ☒ 4. reusable

Question ID : 96234010689

Option 1 ID : 96234042756

Option 2 ID : 96234042753

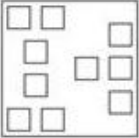
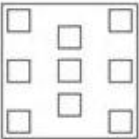
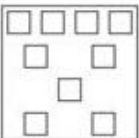
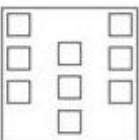
Option 3 ID : 96234042755

Option 4 ID : 96234042754

Status : Answered

Chosen Option : 4

Q.8 Choose the figure that is different from the rest.
1

- Ans
- ☒ 1. 
 - ☒ 2. 
 - ☒ 3. 
 - ☒ 4. 

Question ID : 96234010770

Option 1 ID : 96234043080

Option 2 ID : 96234043078

Option 3 ID : 96234043079

Option 4 ID : 96234043077

Status : Answered

Chosen Option : 1

Q.8 If, '+' represents '×', '-' represents '+', '×' represents '÷' and '÷' represents '-', then find the value of the following expression.
2 $9 \times 3 + 6 \div 2 = ?$

- Ans
- ☒ 1. 20
 - ☒ 2. 12
 - ☒ 3. 10
 - ☒ 4. 16

Question ID : 96234010756

Option 1 ID : 96234043024

Option 2 ID : 96234043022

Option 3 ID : 96234043021

Option 4 ID : 96234043023

Status : Answered

Chosen Option : 4

Q.8 A salesperson starts from his office and drives 2 km east, then turns north and drives 7 km, then turns to his right and drives 6 km, then turns south and drives 7 km. Where is he now with respect to his starting position?

- Ans
- ✓ 1. 8 km east
 - ✗ 2. 4 km east
 - ✗ 3. 8 km west
 - ✗ 4. 4 km west

Question ID : 96234010772

Option 1 ID : 96234043085

Option 2 ID : 96234043087

Option 3 ID : 96234043086

Option 4 ID : 96234043088

Status : Answered

Chosen Option : 1

Q.8 Identify the material having high coefficient of volume expansion.

- Ans
- ✗ 1. Water
 - ✗ 2. Brass
 - ✓ 3. Alcohol
 - ✗ 4. Glass

Question ID : 96234010700

Option 1 ID : 96234042798

Option 2 ID : 96234042800

Option 3 ID : 96234042797

Option 4 ID : 96234042799

Status : Not Answered

Chosen Option : --

Q.8 किसी सामग्री के _____ का मान जितना अधिक होगा, उतनी ही तेज़ी से यह ऊष्मा को संचालित करेगा।

- Ans
- ✗ 1. रिजिलेशन (दबाव में पिघलाना)
 - ✓ 2. ऊष्मीय चालकता
 - ✗ 3. गलनांक
 - ✗ 4. गुप्त ऊष्मा

Question ID : 96234010704

Option 1 ID : 96234042816

Option 2 ID : 96234042814

Option 3 ID : 96234042813

Option 4 ID : 96234042815

Status : Answered

Chosen Option : 4

Q.8 If G + H means G is daughter of H, G - H means G is sister H and G * H means G is husband of H, which of the following shows that I is the daughter of H?

- Ans ☒ 1. $I - J + F * H$
☒ 2. $I * J - F + H$
☒ 3. $I + J - F * H$
☒ 4. $I - J * F + H$

Question ID : 96234010759

Option 1 ID : 96234043034

Option 2 ID : 96234043033

Option 3 ID : 96234043035

Option 4 ID : 96234043036

Status : Answered

Chosen Option : 1

Q.8 If a machine overcomes a load 'L' and the distance travelled by the load is 'Ld', the work done by the load will be _____.

- Ans ☒ 1. $L \times Ld$
☒ 2. $\frac{L}{Ld}$
☒ 3. $\frac{1}{L \times Ld}$
☒ 4. $\frac{Ld}{L}$

Question ID : 96234010710

Option 1 ID : 96234042840

Option 2 ID : 96234042837

Option 3 ID : 96234042838

Option 4 ID : 96234042839

Status : Not Answered

Chosen Option : --

Q.8 यदि किसी पिंड का विशिष्ट गुरुत्वाकर्षण 1 से कम है, तो यह _____ में/पर तैरने लगेगा।

- Ans ☒ 1. पारा (मरकरी)
☒ 2. द्रव
☒ 3. हवा
☒ 4. पानी

Question ID : 96234010693

Option 1 ID : 96234042769

Option 2 ID : 96234042772

Option 3 ID : 96234042770

Option 4 ID : 96234042771

Status : Answered

Chosen Option : 4

Q.8 A source of voltage V maintains a current i in a circuit. The energy supplied to the circuit by the source in time t is _____.

- Ans ☒ 1. $1/Vit$
☒ 2. Vi/t

☒ 3. V/it

☒ 4. Vit

Question ID : 96234010721

Option 1 ID : 96234042884

Option 2 ID : 96234042883

Option 3 ID : 96234042882

Option 4 ID : 96234042881

Status : Answered

Chosen Option : 4

Q.9
0 JPEG stands for _____.

Ans ☒ 1. Joint Photographic Experts Group

☒ 2. Joint Program Executing Group

☒ 3. Joint Program Experts Group

☒ 4. Joint Program Experimental Group

Question ID : 96234010708

Option 1 ID : 96234042830

Option 2 ID : 96234042832

Option 3 ID : 96234042829

Option 4 ID : 96234042831

Status : Not Answered

Chosen Option : --

Q.9 नीचे एक वक्तव्य और दो अनुमान I और II दिए गए हैं। आपको तय करना है कि कौनसा/से अनुमान वक्तव्य के अनुसार तार्किकतः सही है/हैं।

वक्तव्य: धूप में मनुष्य शरीर विटामिन D उत्पन्न करता है।

अनुमान I: भोजन द्वारा प्राप्त न करने पर भी मनुष्य शरीर में विटामिन D होगा।

अनुमान II: वैश्विक जनसंख्या का एक बड़ा हिस्सा विटामिन D की कमी से ग्रस्त है।

Ans ☒ 1. केवल अनुमान I सही है

☒ 2. अनुमान I और अनुमान II दोनों सही हैं दोनों

☒ 3. केवल अनुमान II सही है

☒ 4. न अनुमान I सही है न अनुमान II

Question ID : 96234010774

Option 1 ID : 96234043093

Option 2 ID : 96234043095

Option 3 ID : 96234043094

Option 4 ID : 96234043096

Status : Answered

Chosen Option : 1

Q.9
2

You are given a question and two statements. Identify which of the statements is/are necessary/sufficient to answer the question.

Question: What was the discount percent offered on the soap by the store?

Statements:

- I) The store is giving 1 soap free on purchase of three.
II) ₹10 discount is offered on purchase of soap worth ₹36.

- Ans ☒ 1. I alone is sufficient while II alone is not sufficient
☒ 2. II alone is sufficient while I alone is not sufficient
☒ 3. Neither I nor II is sufficient
☒ 4. Either I or II is sufficient

Question ID : 96234010765

Option 1 ID : 96234043057

Option 2 ID : 96234043058

Option 3 ID : 96234043060

Option 4 ID : 96234043059

Status : Not Answered

Chosen Option : --

Q.9
3 86°F is equal to _____ .

- Ans ☒ 1. 10°C
☒ 2. 20°C
☒ 3. 34°C
☒ 4. 30°C

Question ID : 96234010702

Option 1 ID : 96234042805

Option 2 ID : 96234042806

Option 3 ID : 96234042808

Option 4 ID : 96234042807

Status : Answered

Chosen Option : 4

Q.9
4 If $x = \sqrt{125} \times \sqrt{30} \times \sqrt{6}$, then x is equal to:

- Ans ☒ 1. 136
☒ 2. 175
☒ 3. 150
☒ 4. 125

Question ID : 96234010747

Option 1 ID : 96234042988

Option 2 ID : 96234042987

Option 3 ID : 96234042986

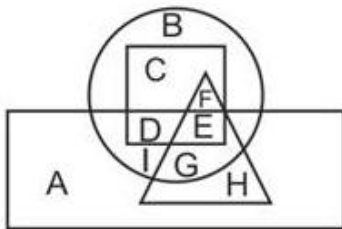
Option 4 ID : 96234042985

Status : Answered

Chosen Option : 3

Q.9
5

In the following figure, square represents Chinese, triangle represents dancers, circle represents male and rectangle represents architects. Which set of letters represents dancers who are male?



- Ans
- ☒ 1. IGH
 - ☒ 2. DEF
 - ☒ 3. GEF
 - ☒ 4. DEIG

Question ID : 96234010763

Option 1 ID : 96234043052

Option 2 ID : 96234043051

Option 3 ID : 96234043050

Option 4 ID : 96234043049

Status : Answered

Chosen Option : 3

Q.9 A body starts from rest. Its displacement is proportional to _____ when its acceleration is constant.

- Ans
- ☒ 1. velocity
 - ☒ 2. time squared
 - ☒ 3. time
 - ☒ 4. work

Question ID : 96234010718

Option 1 ID : 96234042872

Option 2 ID : 96234042869

Option 3 ID : 96234042870

Option 4 ID : 96234042871

Status : Answered

Chosen Option : 2

Q.9 समुद्र के पानी के स्तर का बढ़ना और घटना मुख्य रूप से घूमती हुई पृथ्वी पर _____ के गुरुत्वाकर्षण प्रभाव के कारण होता है।

- Ans
- ☒ 1. बुध ग्रह
 - ☒ 2. चन्द्रमा
 - ☒ 3. सूर्य
 - ☒ 4. शुक्र

Question ID : 96234010688

Option 1 ID : 96234042751

Option 2 ID : 96234042752

Option 3 ID : 96234042749
Option 4 ID : 96234042750
Status : Answered
Chosen Option : 2

Q.9 1 kg वजन वाले गेंद की गति को 2 m/s से बढ़ाकर 4 m/s करने के लिए किस तरह के कार्य को करने की आवश्यकता होती है?

- Ans ☒ 1. 6 J
☒ 2. 12 J
☒ 3. 8 J
☒ 4. 10 J

Question ID : 96234010690
Option 1 ID : 96234042757
Option 2 ID : 96234042760
Option 3 ID : 96234042758
Option 4 ID : 96234042759
Status : Answered
Chosen Option : 1

Q.9 Given below are some letters, that each of these letters has a corresponding number. Select the combination of numbers from the options so that the jumbled letters arranged accordingly will form a meaningful English word.

H T R U O A
1 2 3 4 5 6

- Ans ☒ 1. 6,4,2,1,5,3
☒ 2. 1,6,2,4,5,3
☒ 3. 3,4,5,2,1,6
☒ 4. 2,1,5,3,4,6

Question ID : 96234010761
Option 1 ID : 96234043044
Option 2 ID : 96234043041
Option 3 ID : 96234043043
Option 4 ID : 96234043042
Status : Not Answered
Chosen Option : --

Q.1 Name the painter of the famous painting, 'Mahishasura'.

- Ans ☒ 1. Tyeb Mehta
☒ 2. Amrita Sher-Gil
☒ 3. Raja Ravi Verma
☒ 4. MF Hussain

Question ID : 96234010679
Option 1 ID : 96234042716
Option 2 ID : 96234042713
Option 3 ID : 96234042714
Option 4 ID : 96234042715
Status : Not Answered
Chosen Option : --

Section : Mechanic Radio and TV

Q.1 In a microprocessor, which is the register that always holds the result of an operation?

- Ans
- ☒ 1. Instruction register
 - ☒ 2. Accumulator
 - ☒ 3. Buffer
 - ☒ 4. Data bus

Question ID : 96234010850
Option 1 ID : 96234043397
Option 2 ID : 96234043399
Option 3 ID : 96234043400
Option 4 ID : 96234043398
Status : Answered
Chosen Option : 3

Q.2 Which stage in an AM transmitter is also known as Harmonic Generator?

- Ans
- ☒ 1. Power amplifier
 - ☒ 2. Carrier oscillator
 - ☒ 3. Frequency multiplier
 - ☒ 4. AFC circuit

Question ID : 96234010826
Option 1 ID : 96234043302
Option 2 ID : 96234043301
Option 3 ID : 96234043303
Option 4 ID : 96234043304
Status : Answered
Chosen Option : 3

Q.3 Which of the following types of microphone requires an external power source to operate?

- Ans
- ☒ 1. Condenser microphone
 - ☒ 2. Paper microphone
 - ☒ 3. Dynamic microphone
 - ☒ 4. Ribbon microphone

Question ID : 96234010809
Option 1 ID : 96234043234
Option 2 ID : 96234043236
Option 3 ID : 96234043233
Option 4 ID : 96234043235
Status : Not Answered
Chosen Option : --

Q.4 A bridge rectifier receives its input from a 4: 1 step down transformer connected 220 V AC. Identify the PIV of the bridge rectifier from the given options.

- Ans
- ☒ 1. 55 V
 - ☒ 2. 141.4 V

☒ 3. 77.7 V

☒ 4. 63.6 V

Question ID : 96234010793

Option 1 ID : 96234043169

Option 2 ID : 96234043172

Option 3 ID : 96234043171

Option 4 ID : 96234043170

Status : Answered

Chosen Option : 2

Q.5 In satellite communication, the downlink frequency is always _____ the uplink frequency.

Ans ☒ 1. equal to

☒ 2. independent of

☒ 3. higher than

☒ 4. lower than

Question ID : 96234010829

Option 1 ID : 96234043315

Option 2 ID : 96234043316

Option 3 ID : 96234043314

Option 4 ID : 96234043313

Status : Answered

Chosen Option : 4

Q.6 Identify the features of CC configuration from the options given below.

Ans ☒ 1. Highest input impedance and highest current gain.

☒ 2. Highest input impedance and highest voltage gain.

☒ 3. Lowest input impedance and lowest voltage gain.

☒ 4. Lowest input impedance and highest voltage gain.

Question ID : 96234010797

Option 1 ID : 96234043187

Option 2 ID : 96234043185

Option 3 ID : 96234043188

Option 4 ID : 96234043186

Status : Not Answered

Chosen Option : --

Q.7 TV remote controls commonly use _____ to communicate with the TV.

Ans ☒ 1. a laser diode

☒ 2. Bluetooth transmitter

☒ 3. Infrared LED

☒ 4. UV transmitter

Question ID : 96234010841

Option 1 ID : 96234043362

Option 2 ID : 96234043364

Option 3 ID : 96234043361
Option 4 ID : 96234043363
Status : Answered
Chosen Option : 3

Q.8 When the communication allows simultaneous talking and listening by two parties over the same channel, it is called _____.

- Ans ☒ 1. full duplex
☐ 2. simplex
☐ 3. biphlex
☐ 4. half duplex

Question ID : 96234010811
Option 1 ID : 96234043242
Option 2 ID : 96234043241
Option 3 ID : 96234043244
Option 4 ID : 96234043243
Status : Answered
Chosen Option : 1

Q.9 The value of the first IF in double conversion FM Radio receivers is _____.

- Ans ☐ 1. 108 MHz
☒ 2. 10.7 MHz
☐ 3. 470 kHz
☐ 4. 455 kHz

Question ID : 96234010821
Option 1 ID : 96234043284
Option 2 ID : 96234043283
Option 3 ID : 96234043282
Option 4 ID : 96234043281
Status : Not Answered
Chosen Option : --

Q.10 Which of the following quantities is the same for the primary and secondary of a transformer?

- Ans ☐ 1. voltage
☐ 2. phase
☒ 3. frequency
☐ 4. current

Question ID : 96234010785
Option 1 ID : 96234043137
Option 2 ID : 96234043140
Option 3 ID : 96234043138
Option 4 ID : 96234043139
Status : Answered
Chosen Option : 3

Q.11 An advantage of modulation is the use of _____.

- Ans ☒ 1. smaller antenna
☐ 2. smaller circuit
☐ 3. lower bandwidth
☐ 4. lesser power

Question ID : 96234010814
Option 1 ID : 96234043253
Option 2 ID : 96234043254
Option 3 ID : 96234043256
Option 4 ID : 96234043255
Status : Answered
Chosen Option : 4

Q.1
2 AM broadcast transmits _____

- Ans ☐ 1. Carrier and lower side band
☐ 2. Only side bands
☐ 3. Only carrier
☒ 4. Both side bands and carrier

Question ID : 96234010824
Option 1 ID : 96234043294
Option 2 ID : 96234043296
Option 3 ID : 96234043293
Option 4 ID : 96234043295
Status : Answered
Chosen Option : 4

Q.1
3 Two amplifiers each of gain 10 and 25 are cascaded. If the input voltage to the first amplifier is 10 mV, the output of the second stage will be _____.

- Ans ☐ 1. 25 V
☒ 2. 2.5 V
☐ 3. 125 V
☐ 4. 100 V

Question ID : 96234010804
Option 1 ID : 96234043215
Option 2 ID : 96234043216
Option 3 ID : 96234043214
Option 4 ID : 96234043213
Status : Not Answered
Chosen Option : --

Q.1
4 A series resonant circuit consists of a resistor of $10\ \Omega$, a capacitor of $1\ \mu\text{F}$ and an inductor of $1\ \text{mH}$. What is the value of the current flowing through this circuit at resonance if the applied voltage is $100\ \text{V AC}$?

- Ans ☐ 1. 100 mA
☐ 2. 1 A
☐ 3. 10 mA
☒ 4. 10 A

Question ID : 96234010788

Option 1 ID : 96234043150

Option 2 ID : 96234043151

Option 3 ID : 96234043149

Option 4 ID : 96234043152

Status : Not Answered

Chosen Option : --

Q.1
5 What is the name of the device that have three terminals and two layers?

- Ans
- ☒ 1. NPN transistor
 - ☒ 2. UJT
 - ☒ 3. PNP transistor
 - ☒ 4. FET

Question ID : 96234010796

Option 1 ID : 96234043184

Option 2 ID : 96234043183

Option 3 ID : 96234043181

Option 4 ID : 96234043182

Status : Answered

Chosen Option : 4

Q.1
6 In a mixer, which control determines the amount of signal to be sent to the right or left channels?

- Ans
- ☒ 1. Equaliser
 - ☒ 2. Filter
 - ☒ 3. PAN
 - ☒ 4. Treble

Question ID : 96234010833

Option 1 ID : 96234043329

Option 2 ID : 96234043330

Option 3 ID : 96234043331

Option 4 ID : 96234043332

Status : Not Answered

Chosen Option : --

Q.1
7 In which part of a cell does oxidation take place?

- Ans
- ☒ 1. Anode
 - ☒ 2. Container
 - ☒ 3. Electrolyte
 - ☒ 4. Cathode

Question ID : 96234010780

Option 1 ID : 96234043120

Option 2 ID : 96234043119

Option 3 ID : 96234043118

Option 4 ID : 96234043117

Status : Answered

Chosen Option : 3

Q.1
8 What are the speakers that handle the higher range of audio frequencies called?

- Ans
- ☒ 1. Tweeters
 - ☐ 2. Woofers
 - ☐ 3. Box speakers
 - ☐ 4. Bass speakers

Question ID : 96234010810
Option 1 ID : 96234043239
Option 2 ID : 96234043238
Option 3 ID : 96234043237
Option 4 ID : 96234043240
Status : Answered
Chosen Option : 2

Q.1
9 Which of the following is NOT a topology of an SMPS?

- Ans
- ☐ 1. Forward converter
 - ☒ 2. Reverse converter
 - ☐ 3. AC to DC converter
 - ☐ 4. DC to DC converter

Question ID : 96234010807
Option 1 ID : 96234043227
Option 2 ID : 96234043228
Option 3 ID : 96234043225
Option 4 ID : 96234043226
Status : Answered
Chosen Option : 3

Q.2
0 _____ is the input of detector stage?

- Ans
- ☒ 1. IF signal
 - ☐ 2. RF signal
 - ☐ 3. Audio signal
 - ☐ 4. carrier wave

Question ID : 96234010781
Option 1 ID : 96234043124
Option 2 ID : 96234043122
Option 3 ID : 96234043121
Option 4 ID : 96234043123
Status : Answered
Chosen Option : 2

Q.2
1 The binary equivalent of the octal number 456 is _____.

- Ans
- ☐ 1. 100111101
 - ☒ 2. 100101110
 - ☐ 3. 101011110

☒ 4. 101001101

Question ID : 96234010844
Option 1 ID : 96234043374
Option 2 ID : 96234043373
Option 3 ID : 96234043376
Option 4 ID : 96234043375
Status : Not Answered
Chosen Option : --

Q.2
2 The shape of the time base signal of a CRO is generally a _____.

- Ans
- ☒ 1. sine wave
 - ☒ 2. square wave
 - ☒ 3. triangle wave
 - ☒ 4. sawtooth wave

Question ID : 96234010830
Option 1 ID : 96234043317
Option 2 ID : 96234043318
Option 3 ID : 96234043319
Option 4 ID : 96234043320
Status : Answered
Chosen Option : 3

Q.2
3 What is the function of a shunt resistor used for extending the range of an ammeter?

- Ans
- ☒ 1. To divide the additional voltage.
 - ☒ 2. To increase the meter resistance.
 - ☒ 3. To increase the PF.
 - ☒ 4. To bypass the additional current.

Question ID : 96234010790
Option 1 ID : 96234043159
Option 2 ID : 96234043157
Option 3 ID : 96234043160
Option 4 ID : 96234043158
Status : Answered
Chosen Option : 1

Q.2
4 Identify the terminals in a three-point starter from the options given below.

- Ans
- ☒ 1. Line, field and armature terminals
 - ☒ 2. Line, NLR and armature terminals
 - ☒ 3. Line, field and NLR terminals
 - ☒ 4. NLR, field and armature terminals

Question ID : 96234010783
Option 1 ID : 96234043129
Option 2 ID : 96234043131
Option 3 ID : 96234043130

Option 4 ID : 96234043132

Status : Not Answered

Chosen Option : --

Q.2 If the _____ section in a TV has failed, the result is "No Sound, No Picture".

- Ans
- ☒ 1. horizontal transistor
 - ☐ 2. vertical output
 - ☐ 3. sync separator
 - ☐ 4. IF output

Question ID : 96234010840

Option 1 ID : 96234043359

Option 2 ID : 96234043358

Option 3 ID : 96234043360

Option 4 ID : 96234043357

Status : Answered

Chosen Option : 3

Q.2 A CRO displays a sine waveform which spans 3 cycles in 6 horizontal divisions. If the time base switch is set to 1 ms /div, what is the frequency of this signal which is being measured?

- Ans
- ☒ 1. 500 Hz
 - ☐ 2. 50 Hz
 - ☐ 3. 20 Hz
 - ☐ 4. 200 Hz

Question ID : 96234010831

Option 1 ID : 96234043322

Option 2 ID : 96234043321

Option 3 ID : 96234043323

Option 4 ID : 96234043324

Status : Answered

Chosen Option : 1

Q.2 In a motor speed control using TRIAC and UJT, the potentiometer controls:

- Ans
- ☐ 1. the thyristor gate current
 - ☐ 2. the gate voltage in the thyristor circuit
 - ☒ 3. the frequency of the pulses from UJT
 - ☐ 4. the thyristor anode voltage

Question ID : 96234010823

Option 1 ID : 96234043292

Option 2 ID : 96234043290

Option 3 ID : 96234043289

Option 4 ID : 96234043291

Status : Not Answered

Chosen Option : --

Q.2 In an AM with $m=1$, the power in one sideband is:

Ans

- ✓ 1. one-fourth of the total power
✗ 2. the same as the total power
✗ 3. three-fourth of the total power
✗ 4. one-tenth of the total power

Question ID : 96234010815
Option 1 ID : 96234043259
Option 2 ID : 96234043257
Option 3 ID : 96234043260
Option 4 ID : 96234043258
Status : Answered
Chosen Option : 2

Q.2
9 Reception of a station in a wrong position is caused by _____

- Ans ✗ 1. Defective gang condenser
✗ 2. Misalignment of I.F.T
✗ 3. Misalignment of antenna coil
✓ 4. Oscillator coil

Question ID : 96234010801
Option 1 ID : 96234043204
Option 2 ID : 96234043203
Option 3 ID : 96234043201
Option 4 ID : 96234043202
Status : Not Answered
Chosen Option : --

Q.3
0 When a transistor is biased such that its Base current is greater than zero and its collector-to-emitter voltage is less than 0.2 V, it is operating in the _____ region.

- Ans ✗ 1. cut-off
✗ 2. active
✗ 3. breakdown
✓ 4. saturation

Question ID : 96234010798
Option 1 ID : 96234043189
Option 2 ID : 96234043190
Option 3 ID : 96234043192
Option 4 ID : 96234043191
Status : Not Answered
Chosen Option : --

Q.3
1 _____ is the digital 2-input logic gate whose output is HIGH only when both its inputs are the same.

- Ans ✗ 1. EX OR Gate
✓ 2. EX NOR Gate
✗ 3. AND gate
✗ 4. NAND Gate

Question ID : 96234010846

Option 1 ID : 96234043383

Option 2 ID : 96234043384

Option 3 ID : 96234043381

Option 4 ID : 96234043382

Status : Answered

Chosen Option : 3

Q.3 Which component in a TV is responsible for generating the high voltage sawtooth signals at a relatively high frequency?

2

Ans ☒ 1. Fly back transformer

☒ 2. UPS transformer

☒ 3. SMPS transformer

☒ 4. Isolation transformer

Question ID : 96234010836

Option 1 ID : 96234043342

Option 2 ID : 96234043343

Option 3 ID : 96234043341

Option 4 ID : 96234043344

Status : Not Answered

Chosen Option : --

Q.3 The geostationary orbit is _____ km away from the surface of the earth.

3

Ans ☒ 1. 36,000

☒ 2. 2,950

☒ 3. 38,000

☒ 4. 2,200

Question ID : 96234010827

Option 1 ID : 96234043307

Option 2 ID : 96234043306

Option 3 ID : 96234043308

Option 4 ID : 96234043305

Status : Answered

Chosen Option : 4

Q.3 When simplified, the Boolean expression $A+AB$ results in _____.

4

Ans ☒ 1. B

☒ 2. $A+1$

☒ 3. AB

☒ 4. A

Question ID : 96234010845

Option 1 ID : 96234043378

Option 2 ID : 96234043380

Option 3 ID : 96234043379

Option 4 ID : 96234043377

Status : Not Answered

Chosen Option : --

Q.3 In a PA system, a ____ is used to adjust the amplitude of different frequencies to achieve the desired quality of sound output.

- Ans
- ☒ 1. amplifier
 - ☒ 2. filter
 - ☒ 3. attenuator
 - ☒ 4. equaliser

Question ID : 96234010805
Option 1 ID : 96234043218
Option 2 ID : 96234043220
Option 3 ID : 96234043217
Option 4 ID : 96234043219
Status : Answered
Chosen Option : 1

Q.3 The conductive coating on the outer surface of a picture tube is called ____.

- Ans
- ☒ 1. metal primer
 - ☒ 2. liquid conductor
 - ☒ 3. Aquadag
 - ☒ 4. enamel

Question ID : 96234010837
Option 1 ID : 96234043347
Option 2 ID : 96234043348
Option 3 ID : 96234043346
Option 4 ID : 96234043345
Status : Answered
Chosen Option : 1

Q.3 A DVD uses the ____ method to store and read data.

- Ans
- ☒ 1. optical
 - ☒ 2. electrical
 - ☒ 3. magnetic
 - ☒ 4. Hall effect

Question ID : 96234010843
Option 1 ID : 96234043371
Option 2 ID : 96234043370
Option 3 ID : 96234043369
Option 4 ID : 96234043372
Status : Answered
Chosen Option : 2

Q.3 _____ electrons flow every second in ten amperes of current.

- Ans
- ☒ 1. 31.4×10^8
 - ☒ 2. 62.4×10^8

☒ 3. 31.4×10^{18}

☒ 4. 62.4×10^{18}

Question ID : 96234010776

Option 1 ID : 96234043101

Option 2 ID : 96234043104

Option 3 ID : 96234043102

Option 4 ID : 96234043103

Status : Answered

Chosen Option : 3

Q.3
9 A 3.1 sound system has _____.

Ans ☒ 1. 3 speakers and one tweeter

☒ 2. only 3 speakers

☒ 3. bass, treble, and speaker

☒ 4. 3 speakers and one subwoofer

Question ID : 96234010832

Option 1 ID : 96234043326

Option 2 ID : 96234043325

Option 3 ID : 96234043328

Option 4 ID : 96234043327

Status : Answered

Chosen Option : 4

Q.4
0 Why FM is popular compared to the AM _____.

Ans ☒ 1. Easier to generate and detect

☒ 2. Requires simple transmission and reception equipment's

☒ 3. Less sensitivity to noise

☒ 4. Occupies less band width

Question ID : 96234010803

Option 1 ID : 96234043211

Option 2 ID : 96234043210

Option 3 ID : 96234043212

Option 4 ID : 96234043209

Status : Answered

Chosen Option : 2

Q.4
1 _____ is used to describe information about the hue and saturation of a colour.

Ans ☒ 1. Chrominance

☒ 2. Luminance

☒ 3. Contrast

☒ 4. Intensity

Question ID : 96234010839

Option 1 ID : 96234043354
Option 2 ID : 96234043353
Option 3 ID : 96234043356
Option 4 ID : 96234043355
Status : Answered
Chosen Option : 1

Q.4 In an AM radio receiver, for an RF signal of 1545 kHz, the value of the local oscillator frequency will be _____.
2

- Ans
- ✓ 1. 2,000 kHz
 - ✗ 2. 455 kHz
 - ✗ 3. 1,455 kHz
 - ✗ 4. 2,455 kHz

Question ID : 96234010818
Option 1 ID : 96234043271
Option 2 ID : 96234043269
Option 3 ID : 96234043270
Option 4 ID : 96234043272
Status : Not Answered
Chosen Option : --

Q.4 Which type of memory needs to be regularly refreshed?
3

- Ans
- ✓ 1. DRAM
 - ✗ 2. ROM
 - ✗ 3. SRAM
 - ✗ 4. CMOS

Question ID : 96234010848
Option 1 ID : 96234043389
Option 2 ID : 96234043391
Option 3 ID : 96234043390
Option 4 ID : 96234043392
Status : Answered
Chosen Option : 1

Q.4 In a common-anode seven-segment display, what will be displayed if all the seven data inputs are at logic "0"?
4

- Ans
- ✓ 1. 8
 - ✗ 2. 2
 - ✗ 3. 4
 - ✗ 4. 0

Question ID : 96234010849
Option 1 ID : 96234043396
Option 2 ID : 96234043394
Option 3 ID : 96234043395
Option 4 ID : 96234043393
Status : Answered
Chosen Option : 4

5 What is the full form of DTS?

- Ans
- ☒ 1. Digital Transmission Systems Format for Video
 - ☒ 2. Digital Theatre Systems Format for Video
 - ☒ 3. Digital Theatre Systems Format for Audio
 - ☒ 4. Direct Transmission for Satellite Services

Question ID : 96234010834

Option 1 ID : 96234043334

Option 2 ID : 96234043336

Option 3 ID : 96234043335

Option 4 ID : 96234043333

Status : Answered

Chosen Option : 4

Q.4 Which one of the following does NOT affect the value of the capacitance of a parallel plate capacitor?

6

- Ans
- ☒ 1. Distance between the plates
 - ☒ 2. Voltage applied to the capacitor
 - ☒ 3. Surface area of the plates
 - ☒ 4. Permittivity of the dielectric used

Question ID : 96234010787

Option 1 ID : 96234043145

Option 2 ID : 96234043148

Option 3 ID : 96234043146

Option 4 ID : 96234043147

Status : Answered

Chosen Option : 3

Q.4 The IC CA810 can be used as power amplifier in many applications. Which is the circuit this IC cannot be used?

7

- Ans
- ☒ 1. Radio receiver and tape recorders
 - ☒ 2. Television receivers
 - ☒ 3. Small PA systems
 - ☒ 4. Power driving circuits

Question ID : 96234010789

Option 1 ID : 96234043153

Option 2 ID : 96234043154

Option 3 ID : 96234043155

Option 4 ID : 96234043156

Status : Not Answered

Chosen Option : --

Q.4 The band width of an A.M radio receiver?

8

- Ans
- ☒ 1. 10KHz
 - ☒ 2. 1KHz
 - ☒ 3. 5MHz

☒ 4. 20 KHz

Question ID : 96234010777

Option 1 ID : 96234043106

Option 2 ID : 96234043108

Option 3 ID : 96234043107

Option 4 ID : 96234043105

Status : Answered

Chosen Option : 3

Q.4 In an Op-Amp voltage regulator, the regulating element is connected:

- Ans ☒ 1. in series with the load
☒ 2. in series with the Zener diode
☒ 3. across the Zener diode
☒ 4. across the load

Question ID : 96234010806

Option 1 ID : 96234043221

Option 2 ID : 96234043223

Option 3 ID : 96234043224

Option 4 ID : 96234043222

Status : Answered

Chosen Option : 4

Q.5 Which of the following input conditions of an RS flip flop will result in an SET condition at the output?

- Ans ☒ 1. R= 0, S=0
☒ 2. R= 1, S=0
☒ 3. R= 0, S=1
☒ 4. R= 1, S=1

Question ID : 96234010847

Option 1 ID : 96234043385

Option 2 ID : 96234043387

Option 3 ID : 96234043386

Option 4 ID : 96234043388

Status : Not Answered

Chosen Option : --

Q.5 An ideal 220 VA step-down transformer is connected to a 220 V supply in the primary. If its turns ratio is 4:1, then the value of the secondary current will be _____.

- Ans ☒ 1. 11 A
☒ 2. 4 A
☒ 3. 22 A
☒ 4. 1 A

Question ID : 96234010784

Option 1 ID : 96234043135

Option 2 ID : 96234043134

Option 3 ID : 96234043136

Option 4 ID : 96234043133

Status : Answered
Chosen Option : 4

Q.5
2 Which type of loss can be reduced in a transformer by increasing the diameter of the conductor?

- Ans
- ☒ 1. Hysteresis loss
 - ☒ 2. Magnetic loss
 - ☒ 3. Copper loss
 - ☒ 4. Eddy current loss

Question ID : 96234010786
Option 1 ID : 96234043142
Option 2 ID : 96234043144
Option 3 ID : 96234043141
Option 4 ID : 96234043143
Status : Answered
Chosen Option : 3

Q.5
3 The wavelength of the laser used in a DVD player is _____.

- Ans
- ☒ 1. 820 nm
 - ☒ 2. 540 nm
 - ☒ 3. 780 nm
 - ☒ 4. 650 nm

Question ID : 96234010842
Option 1 ID : 96234043368
Option 2 ID : 96234043365
Option 3 ID : 96234043367
Option 4 ID : 96234043366
Status : Not Answered
Chosen Option : --

Q.5
4 The regenerative process where the collector junction temperature increases the collector current and vice versa is called _____.

- Ans
- ☒ 1. temperature stability
 - ☒ 2. positive feedback
 - ☒ 3. oscillation
 - ☒ 4. thermal runaway

Question ID : 96234010799
Option 1 ID : 96234043196
Option 2 ID : 96234043194
Option 3 ID : 96234043193
Option 4 ID : 96234043195
Status : Answered
Chosen Option : 1

Q.5
5 Which of the following statements is **TRUE** in case of filters used with rectifiers?

- Ans
- ☒ 1.

Capacitors and inductors are both connected in series with the output.

☒ 2.

Capacitors and inductors are both connected in shunt with the output.

☒ 3.

Capacitors are connected in series and inductors in shunt with the output.

☒ 4.

Capacitors are connected in shunt and inductors in series with the output.

Question ID : 96234010794

Option 1 ID : 96234043176

Option 2 ID : 96234043175

Option 3 ID : 96234043173

Option 4 ID : 96234043174

Status : Answered

Chosen Option : 2

Q.5 In television, one half of horizontal pixels rows are refreshed in one cycle and the other half in the next cycle. This process is known as _____.
6

Ans ☒ 1. sequential scanning

☒ 2. alternate scanning

☒ 3. interlaced scanning

☒ 4. differential scanning

Question ID : 96234010835

Option 1 ID : 96234043337

Option 2 ID : 96234043338

Option 3 ID : 96234043340

Option 4 ID : 96234043339

Status : Not Answered

Chosen Option : --

Q.5 Which one of the following is referred to as a free one-shot circuit?
7

Ans ☒ 1. Schmitt trigger

☒ 2. Monostable multivibrator

☒ 3. Astable multivibrator

☒ 4. Bistable multivibrator

Question ID : 96234010813

Option 1 ID : 96234043252

Option 2 ID : 96234043250

Option 3 ID : 96234043249

Option 4 ID : 96234043251

Status : Answered

Chosen Option : 2

Q.5 Why crystal receiver has poor selectivity?
8

Ans ☒ 1. No loud speaker is used

- ☒ 2. No battery is used
- ☒ 3. it has long antenna
- ☒ 4. No tuned circuit is used

Question ID : 96234010782
Option 1 ID : 96234043127
Option 2 ID : 96234043126
Option 3 ID : 96234043128
Option 4 ID : 96234043125
Status : Answered
Chosen Option : 4

Q.5
9 In Silicon Controlled Rectifier (SCR):

- Ans
- ☒ 1. holding current > latching current
 - ☒ 2. holding current < latching current
 - ☒ 3. holding current = latching current
 - ☒ 4. holding current = $0.6 \text{ V} / \text{forward resistance}$

Question ID : 96234010822
Option 1 ID : 96234043286
Option 2 ID : 96234043287
Option 3 ID : 96234043285
Option 4 ID : 96234043288
Status : Answered
Chosen Option : 1

Q.6
0 _____ coupling is a way to provide impedance matching in the AF amplifiers.

- Ans
- ☒ 1. Resistive
 - ☒ 2. RC
 - ☒ 3. Direct
 - ☒ 4. Transformer

Question ID : 96234010802
Option 1 ID : 96234043205
Option 2 ID : 96234043206
Option 3 ID : 96234043207
Option 4 ID : 96234043208
Status : Answered
Chosen Option : 3

Q.6
1 One of the criteria for oscillations to occur in an amplifier is that:

- Ans
- ☒ 1. the amplifier must have a variable power supply
 - ☒ 2. the loop gain must be slightly greater than unity
 - ☒ 3. the amplifier must be in the cut-off state
 - ☒ 4. the amplifier output impedance must be zero

Question ID : 96234010812

Option 1 ID : 96234043245

Option 2 ID : 96234043248

Option 3 ID : 96234043246

Option 4 ID : 96234043247

Status : Not Answered

Chosen Option : --

Q.6
2 The basic components of an optocoupler are _____.

- Ans
- ☒ 1. LED and phototransistor
 - ☐ 2. LED and LDR
 - ☐ 3. crystal and LDR
 - ☐ 4. photodiode and crystal

Question ID : 96234010825

Option 1 ID : 96234043299

Option 2 ID : 96234043300

Option 3 ID : 96234043298

Option 4 ID : 96234043297

Status : Answered

Chosen Option : 2

Q.6
3 If the height of an antenna increases, the angle of radiation _____

- Ans
- ☐ 1. Increases
 - ☐ 2. Becomes a zero
 - ☐ 3. Does not change
 - ☒ 4. Decreases

Question ID : 96234010808

Option 1 ID : 96234043230

Option 2 ID : 96234043231

Option 3 ID : 96234043232

Option 4 ID : 96234043229

Status : Answered

Chosen Option : 4

Q.6
4 In a transistor, identify the terminal with the highest doping from the options given below.

- Ans
- ☐ 1. Intrinsic zone
 - ☒ 2. Emitter
 - ☐ 3. Collector
 - ☐ 4. Base

Question ID : 96234010795

Option 1 ID : 96234043180

Option 2 ID : 96234043177

Option 3 ID : 96234043179

Option 4 ID : 96234043178

Status : Not Answered

Chosen Option : --

Q.6 When two resistors of equal value are connected across a 220 V DC supply, the current through each resistor is 1 A.
5 Find the colour code of the resistors.

- Ans
- ☐ 1. Brown, Black, Red
 - ☐ 2. Red, Red, Red
 - ☐ 3. Black, Brown, Red
 - ☒ 4. Red, Red, Brown

Question ID : 96234010778
Option 1 ID : 96234043111
Option 2 ID : 96234043112
Option 3 ID : 96234043109
Option 4 ID : 96234043110
Status : Not Answered
Chosen Option : --

Q.6 If a receiver is able to detect and amplify even very weak signals, its _____ considered to be very good.
6

- Ans
- ☐ 1. fidelity
 - ☐ 2. selectivity
 - ☐ 3. bandwidth
 - ☒ 4. sensitivity

Question ID : 96234010820
Option 1 ID : 96234043277
Option 2 ID : 96234043278
Option 3 ID : 96234043280
Option 4 ID : 96234043279
Status : Answered
Chosen Option : 4

Q.6 According to Kirchoff's current law, :
7

- Ans
- ☒ 1. the sum of the currents entering a node = the sum of the currents leaving the node
 - ☐ 2. the sum of the potential differences across all elements = 0
 - ☐ 3. the total current is directly proportional to the applied voltage
 - ☐ 4. the sum total of all the currents in a loop = 0

Question ID : 96234010779
Option 1 ID : 96234043113
Option 2 ID : 96234043115
Option 3 ID : 96234043116
Option 4 ID : 96234043114
Status : Answered
Chosen Option : 1

Q.6 Which of the following is NOT a type of wireless communication technology?
8

- Ans
- ☐ 1. Satellite communication

- ☒ 2. OFC communication
- ☐ 3. Bluetooth communication
- ☐ 4. Infrared communication

Question ID : 96234010828
Option 1 ID : 96234043309
Option 2 ID : 96234043312
Option 3 ID : 96234043310
Option 4 ID : 96234043311
Status : Answered
Chosen Option : 2

Q.6
9 A discriminator is basically a _____.

- Ans
- ☐ 1. Wein bridge oscillator
 - ☐ 2. AM modulator
 - ☒ 3. FM detector
 - ☐ 4. RS flip flop

Question ID : 96234010816
Option 1 ID : 96234043261
Option 2 ID : 96234043263
Option 3 ID : 96234043262
Option 4 ID : 96234043264
Status : Answered
Chosen Option : 4

Q.7
0 In wave propagation, fading refers to:

- Ans
- ☒ 1. the reduction in signal strength
 - ☐ 2. the changing of the colour
 - ☐ 3. the shifting of frequency
 - ☐ 4. the changing of the wavelength

Question ID : 96234010817
Option 1 ID : 96234043268
Option 2 ID : 96234043265
Option 3 ID : 96234043267
Option 4 ID : 96234043266
Status : Answered
Chosen Option : 4

Q.7
1 The bandwidth of a TV channel in India is _____.

- Ans
- ☒ 1. 7 MHz
 - ☐ 2. 10.8 MHz
 - ☐ 3. 5.5 MHz
 - ☐ 4. 15 MHz

Question ID : 96234010838

Option 1 ID : 96234043350

Option 2 ID : 96234043351

Option 3 ID : 96234043349

Option 4 ID : 96234043352

Status : Answered

Chosen Option : 3

Q.7
2 In an FM radio receiver, which section uses the limiter circuit at its input?

- Ans
- ☒ 1. AGC
 - ☒ 2. Detector
 - ☒ 3. AF amplifier
 - ☒ 4. Mixer

Question ID : 96234010819

Option 1 ID : 96234043274

Option 2 ID : 96234043275

Option 3 ID : 96234043276

Option 4 ID : 96234043273

Status : Not Answered

Chosen Option : --

Q.7
3 What is a wave trap?

- Ans
- ☒ 1. Low pass filter
 - ☒ 2. High pass filter
 - ☒ 3. Wide band amplifier
 - ☒ 4. Resonance circuit

Question ID : 96234010791

Option 1 ID : 96234043162

Option 2 ID : 96234043163

Option 3 ID : 96234043164

Option 4 ID : 96234043161

Status : Not Answered

Chosen Option : --

Q.7
4 In a direct-coupled amplifier, the gain falls at high frequencies mainly due to _____.

- Ans
- ☒ 1. Stray capacitances
 - ☒ 2. Filtering issues
 - ☒ 3. Coupling capacitors
 - ☒ 4. Power supply

Question ID : 96234010800

Option 1 ID : 96234043198

Option 2 ID : 96234043200

Option 3 ID : 96234043197

Option 4 ID : 96234043199

Status : Answered

Chosen Option : 3

Q.7
5 What will happen to the output voltage in a series regulator, when temperature increases?

- Ans
- ☒ 1. Equals input voltage
 - ☒ 2. Increases
 - ☒ 3. Decreases
 - ☒ 4. Remain constant

Question ID : 96234010792

Option 1 ID : 96234043168

Option 2 ID : 96234043166

Option 3 ID : 96234043165

Option 4 ID : 96234043167

Status : Answered

Chosen Option : 4